System Requirements

In order to guarantee the operation of all functionalities of i-doit, some requirements must be met by the underlying system.

> ⓘ **Current version**
>
> The requirements shown below apply to the current version of i-doit, in this case **1.18**. These requirements are adjusted for each major release of i-doit. If the requirements of older versions are needed, the change history of this page can be used.

Minimum Requirements

Contents

The following system parameters are the minimum requirements to guarantee i-doit to work with up to around 10,000 objects and up to 10 users working simultaneously.

Virtual Hardware

- 2 vCPUs
- 2 GB RAM
- 10 GB free disc space

We recommend the use of a dedicated virtual machine. The actual demand for hardware is based on the scope of the IT documentation and the amount of simultaneous users.

Operating System

- Debian GNU/Linux 10 "buster", 11 "bullseye"
- Ubuntu 18.04 LTS "bionic", 20.04 LTS "focal fossa"
- SUSE Linux Enterprise Server (SLES) 15, 15 SP1, 15 SP2, 15 SP3
- Red Hat Enterprise Linux (RHEL) 7, 8
- Microsoft Windows Server 2016, 2019

We recommend the usage of Debian GNU/Linux in 64bit architecture (amd64) in version 11 "bullseye".

LAMP Stack

- Apache Web server 2.4
- MariaDB 10.2, 10.3, 10.4, 10.5 (recommended) or MySQL 5.7. *But we highly recommend to use MariaDB instead of MySQL. When version 10.6 is marked as stable we plan to support it in a later release.*
- PHP >=7.3, 7.4 (recommended) *At the moment, PHP version 8 is not supported. We plan the support of PHP 8 in a later release.*
- PHP extensions: bcmath, ctype, curl, fileinfo, gd, imagick, json, ldap, mbstring, memcached, mysqli, mysqlnd, pgsql, session, soap, xml, zip

We recommend the usage of **Apache Webserver 2.4, PHP 7.4 and MariaDB 10.5**.

⊘

> ⊘ **Reference Configuration**
>
> The following system parameters comprise a configuration reference that is tested and recommended by us and guarantees high performance when used with up to 500,000 objects and a high number of simultaneously working users.
>
> ## Virtual Hardware
>
> - 2 vCPUs
> - 8 GB RAM
> - 50 GB free disc space
>
> ## Operating System
>
> Debian GNU/Linux 10 "buster" (64bit)
>
> ## LAMP Stack
>
> - Apache 2.4.x (default package)
> - MariaDB 10.3.x (default package)
> - PHP 7.3.x (default package)
>
> > ⓘ **Note**
> >
> > Because i-doit is a database application, it intensively uses the hard drive. Since the I/O throughput strongly determines the performance, a fast hard drive is recommended.
> >
> > The need for disc space can increase with intense usage of file or image storage in i-doit.
> >
> > The value of 50 GB is solely geared to the maximal size of the database, which can be achieved by full usage, updates and similar operations.

Client

A Web browser is needed on the client side in order to access the Web GUI of i-doit. For each Web browser the current version as well as the version prior to this are supported:

- Mozilla Firefox (including the last ESR version)
- Google Chrome/Chromium
- Microsoft Internet Explorer/Edge (disabled compatibility mode)
- Apple Safari